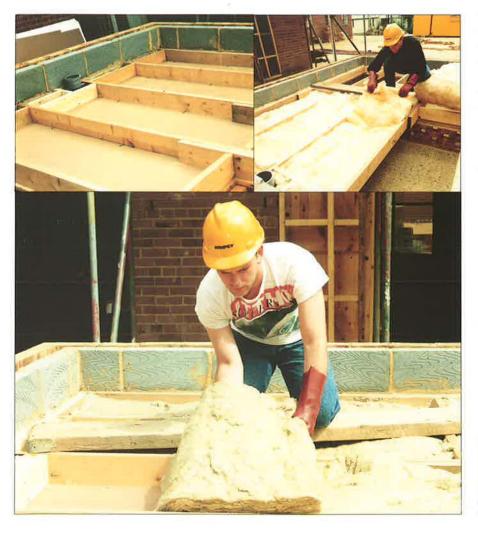
Guide 101

ENERGY EFFICIENCY IN NEW HOUSING Site practice for tradesmen

Ground floors: Suspended timber floors



The traditional suspended timber ground floor can easily accommodate insulation within the depth of the joists, but poor workmanship can lead to cold spots, and air leakage through the floor. Both can cause excessive heat loss, leading to discomfort and draughts to the house occupants.

Fix netting, or battens and boarding to support the insulation. Lay insulation across the whole floor leaving no gaps, such as between end joists and walls. If necessary cut insulation with a sharp knife or saw. Insulate the gap between the joists and external walls to help prevent cold air movement into the heated room. Pack insulation tightly around services passing through the floor to prevent cold air leakage.

To help ensure a successful installation and good performance from the completed floor, follow the points on the back of this leaflet.

REMEMBER

Workmanship is a key factor in preventing heat loss and air leakage



Workmanship is a key factor in preventing heat loss and air leakage

BEST PRACTICE ON SITE

POINTS TO FOLLOW

- Store insulation in a dry place prior to use
- Fix insulation when building is weathertight
- Ensure underfloor ventilators are not blocked by debris during construction



Fix netting or battening to support insulation on

Pack insulation around services passing through the floor, eg soil vent pipe





Lay insulation across the whole floor without leaving any gaps





Insulate gaps between end joists and walls



Glue and nail floor decking in position



Seal around holes for services in the floor decking with expanding polyurethane foam

The cooperation of the following organisations in the preparation of this Guide is gratefully acknowledged.

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